

## BIMETALLIC DIAL THERMOMETER SPECIFICATION

1. This specification establishes requirements for the Bimetallic Dial Thermometer to be furnished under Item 0001 and the Bimetallic Dial Thermometer with Stainless Steel Thermowell to be furnished under Item 0002. The Thermometers to be furnished under Items 0001 and 0002 will be installed on Dishwashers used on Navy ships. Under Item 0003 the contractor shall furnish a Certificate from NSF that the Bimetallic Dial Thermometers to be furnished under Items 0001 and 0002 meet the requirements of NSF C-2.

2. The Hermetically Sealed Bimetallic Dial Thermometer to be furnished under Item 0001 shall be in accordance with the following:

Hermetically Sealed  
External Adjustable  
1% full span accuracy (ASME B40.3 Grade A)  
All Welded 304 Stainless Steel Construction  
Vibration Dampening of coil via Silicone  
Shatter Proof Glass dial cover  
Stem location lower (down)  
Temperature Range 0/250 degrees Fahrenheit  $\pm 2$   
Thread Connection  $\frac{1}{2}$  NPT  
Dial Size 3"  $\pm 1/8$ "  
Stem Length 4"

3. The Hermetically Sealed Bimetallic Dial Thermometer with Stainless Steel Thermowell to be furnished under Item 0002 shall be in accordance with the following:

Hermetically Sealed  
External Adjustable  
1% full span accuracy (ASME B40.3 Grade A)  
All Welded 304 Stainless Steel Construction  
Vibration Dampening of coil via Silicone  
Shatter Proof Glass dial cover  
Stem location rear  
Temperature Range 0/250 degrees Fahrenheit  $\pm 2$   
Thread Connection  $\frac{1}{2}$  NPT  
Dial Size 3"  $\pm 1/8$ "  
Stem Length 2.5"  
With matching weld-in AISI 316 Stainless Steel Thermowell

4. Under Item 0003 the contractor shall provide a certificate from the National Sanitation Foundation (NSF) that one of the Bimetallic Dial Thermometers to be furnished under Items 0001 or 0002 have been tested by NSF and meet the requirements of paragraph 4.31.3 of the November 1983 Revision of NSF Criteria C-2, entitled "Special Equipment And/Or Devices."